## **PCT**

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G01N 33/574, 33/577, C07K 16/30, A61K 39/395, 47/48, C12Q 1/68, G01N 33/543	A2	(43) International Publication Date: 27 August 1998 (27.08.98
(21) International Application Number: PCT/US  (22) International Filing Date: 25 February 1998 (2)  (30) Priority Data: 08/806,596 25 February 1997 (25.02.97) 08/904,809 1 August 1997 (01.08.97) Not furnished 9 February 1998 (09.02.98)  (71) Applicant: CORIXA CORPORATION (US/US); St. 1124 Columbia Street, Seattle, WA 98104 (US).  (72) Inventors: XU, Jiangchun; 15805 Southeast 43n Bellevue, WA 98006 (US). DILLON, Davin, C. N.E. 24th Street, Redmond, WA 98053 (US).  (74) Agents: MAKI, David, J. et al.; Seed and Ber 6300 Columbia Center, 701 Fifth Avenue, Seat 98104–7092 (US).	25.02.98  ) U U U uite 200 d Place	CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO paten (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian paten (AM, AZ, BY, KG, KZ, MD, RU, TI, TM), European paten (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM GA, GN, ML, MR, NE, SN, TD, TG).  Published  Without international search report and to be republished upon receipt of that report.
(54) Title: COMPOUNDS FOR IMMUNODIAGNOSIS ( (57) Abstract	)F PRO	STATE CANCER AND METHODS FOR THEIR USE
	polyper	provided. The inventive compounds include polypeptides containing at ptides may be used to generate antibodies useful for the diagnosis and g probes, primers, and polypeptides are also provided.
		A.

(ii) MOLECULE TYPE: cDNA

(vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:45: 60 ACAACAGACC CTTGCTCGCT AACGACCTCA TGCTCATCAA GTTGGACGAA TCCGTGTCCG AGTCTGACAC CATCCGGAGC ATCAGCATTG CTTCGCAGTG CCCTACCGCG GGGAACTCTT 120 GCCTCGTTTC TGGCTGGGGT CTGCTGGCGA ACGGCAGAAT GCCTACCGTG CTGCAGTGCG 180 TGAACGTGTC GGTGGTGTCT GAGGAGGTCT GCAGTAAGCT CTATGACCCG CTGT (2) INFORMATION FOR SEQ ID NO:46: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 590 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:46: ACTITITATI TAAATGITTA TAAGGCAGAT CTATGAGAAT GATAGAAAAC ATGGTGTGTA 60 ATTTGATAGC AATATTTTGG AGATTACAGA GTTTTAGTAA TTACCAATTA CACAGTTAAA 120 AAGAAGATAA TATATTCCAA GCANATACAA AATATCTAAT GAAAGATCAA GGCAGGAAAA 180 TGANTATAAC TAATTGACAA TGGAAAATCA ATTTTAATGT GAATTGCACA TTATCCTTTA 240 AAAGCTTTCA AAANAAANAA TTATTGCAGT CTANTTAATT CAAACAGTGT TAAATGGTAT CAGGATAAAN AACTGAAGGG CANAAAGAAT TAATTITCAC TTCATGTAAC NCACCCANAT 360 420 TTACAATGGC TTAAATGCAN GGAAAAAGCA GTGGAAGTAG GGAAGTANTC AAGGTCTITC TGGTCTCTAA TCTGCCTTAC TCTTTGGGTG TGGCTTTGAT CCTCTGGAGA CAGCTGCCAG 480 GGCTCCTGTT ATATCCACAA TCCCAGCAGC AAGATGAAGG GATGAAAAAG GACACATGCT 540 GCCTTCCTTT GAGGAGACTT CATCTCACTG GCCAACACTC AGTCACATGT 590 (2) INFORMATION FOR SEQ ID NO:47: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 774 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vi) ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47: ACAAGGGGC ATAATGAAGG AGTGGGGANA GATTTTAAAG AAGGAAAAAA AACGAGGCCC 60 TGAACAGAAT TTTCCTGNAC AACGGGGCTT CAAAATAATT TTCTTGGGGA GGTTCAAGAC 120

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(i) SEQUENCE CHARACTERISTICS:							
(A) LENGTH: 264 base pairs							
(B) TYPE: nucleic acid							
(C) STRANDEDNESS: single							
(D) TOPOLOGY: linear							
(ii) MOLECULE TYPE: cDNA							
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:211:	. '						
ACATTGTTTT TTTGAGATAA AGCATTGAGA GAGCTCTCCT TAACGTGACA CAATGGAAGG	60						
ACTGGAACAC ATACCCACAT CTTTGTTCTG AGGGATAATT TTCTGATAAA GTCTTGCTGT	120						
ATATTCAAGC ACATATGTTA TATATTATTC AGTTCCATGT TTATAGCCTA GTTAAGGAGA	180						
GGGGAGATAC ATTCNGAAAG AGGACTGAAA GAAATACTCA AGTNGGAAAA CAGAAAAAGA	240						
AAAAAAGGAG CAAATGAGAA GCCT	264						
(2) INFORMATION FOR SEQ ID NO:212:							
(i) SEQUENCE CHARACTERISTICS:							
(A) LENGTH: 328 base pairs							
(B) TYPE: nucleic acid							
(C) STRANDEDNESS: single							
(D) TOPOLOGY: linear							
(ii) MOLECULE TYPE: cDNA							
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:212:							
ACCCAAAAAT CCAATGCTGA ATATTTGGCT TCATTATTCC CANATTCTTT GATTGTCAAA	60						
GGATTTAATG TTGTCTCAGC TTGGGCACTT CAGTTAGGAC CTAAGGATGC CAGCCGGCAG	120						
GTTTATATAT GCAGCAACAA TATTCAAGCG CGACAACAGG TTATTGAACT TGCCCGCCAG	180						
TTNAATTTCA TTCCCATTGA CTTGGGATCC TTATCATCAG CCAGAGAGAT TGAAAATTTA	240						
CCCCTACNAC TCTTTACTCT CTGGANAGGG CCAGTGGTGG TAGCTATAAG CTTGGCCACA	300						
TTTTTTTTC CTTTATTCCT TTGTCAGA	328						
(2) INFORMATION FOR SEQ ID NO:213:							
(i) SEQUENCE CHARACTERISTICS:							
(A) LENGTH: 250 base pairs							
(B) TYPE: nucleic acid							
(C) STRANDEDNESS: single							
(D) TOPOLOGY: linear							
(ii) MOLECULE TYPE: cDNA							
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:213:							
ACTTATGAGC AGAGCGACAT ATCCNAGTGT AGACTGAATA AAACTGAATT CTCTCCAGTT	60						
TAAAGCATTG CTCACTGAAG GGATAGAAGT GACTGCCAGG AGGGAAAGTA AGCCAAGGCT	120						
CATTATGCCA AAGGANATAT ACATTTCAAT TCTCCAAACT TCTTCCTCAT TCCAAGAGTT	180						
TTCAATATTT GCATGAACCT GCTGATAANC CATGTTAANA AACAAATATC TCTCTNACCT	240						
TCTCATCGGT	250						

(2) INFORMATION FOR SEQ ID NO:214:

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(i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH: 444 base p	airs			•
(B)	TYPE: nucleic acid				
(C)	STRANDEDNESS: sing	le			
(D)	TOPOLOGY: linear				
(ii)	MOLECULE TYPE: cDNA				
(xi)	SEQUENCE DESCRIPTIO	N: SEQ ID NO:	214:		
	CAATGCTGAA TATTTGGC				60
	TGTCTCAGCT TGGGCACT				120
	CAGCAACAAT ATTCAAGC				180
TGAATTTCAT	TCCCATTGAC TTGGGATC	CT TATCATCAGO	CANAGAGATT	GAAAATTTAC	240
CCCTACGACT	CTTTACTCTC TGGAGAGG	GC CAGTGGTGGT	AGCTATAAGC	TTGGCCACAT	300
TTTTTTTTCC	TTTATTCCTT TGTCAGAG	AT GCGATTCATO	CATATGCTAN	AAACCAACAG	360
AGTGACTTTT	ACAAAATTCC TATAGANA	TT GTGAATAAAA	CCTTACCTAT	AGTTGCCATT	420
ACTTTGCTCT	CCCTAATATA CCTC				444
. (2	) INFORMATION FOR S	EQ ID NO:215:			
(i) S	EQUENCE CHARACTERIS	TICS:			
	LENGTH: 366 base p				
	TYPE: nucleic acid				
	STRANDEDNESS: sing	le			
(D)	TOPOLOGY: linear				
(ii)	MOLECULE TYPE: cDNA				
(xi)	SEQUENCE DESCRIPTION	N: SEQ ID NO:	215:		
ACTTATGAGC	AGAGCGACAT ATCCAAGT	GT ANACTGAATA	AAACTGAATT	CTCTCCAGTT	60
TAAAGCATTG	CTCACTGAAG GGATAGAA	GT GACTGCCAGO	AGGGAAAGTA	AGCCAAGGCT	120
CATTATGCCA	AAGGANATAT ACATTTC	AT TCTCCAAACT	TCTTCCTCAT	TCCAAGAGTT	180
	GCATGAACCT GCTGATAA				
TCTCATCGGT	AAGCAGAGGC TGTAGGC	AC ATGGACCATA	GCGAANAAAA	AACTTAGTAA	
TCCAAGCTGT	TTTCTACACT GTAACCAC	GT TTCCAACCA	GGTGGAAATC	TCCTATACTT	360
GGTGCC		-		,	366
(2	) INFORMATION FOR S	EQ ID NO:216	:		
	EQUENCE CHARACTERIS				
	LENGTH: 260 base p				
	TYPE: nucleic acid				
. (C)	STRANDEDNESS: sing	,le			
(D)	TOPOLOGY: linear				
(ii)	MOLECULE TYPE: CDN				
(xi)	SEQUENCE DESCRIPTION	ON: SEQ ID NO	:216:		
CTGTATAAAC	AGAACTCCAC TGCANGA	GG AGGGCCGGG	C CAGGAGAATC	TCCGCTTGTC	60
CAAGACAGGG	GCCTAAGGAG GGTCTCC	ACA CTGCTNNTA	A GGGCTNTTNC	ATTTTTTAT	120
TAATAAAAAG	TNNAAAAGGC CTCTTCT	CAA CTTTTTTCC	C TINGGCIGGA	AAATTTAAAA	180
ATCAAAAATT	TCCTNAAGTT NTCAAGC	TAT CATATATAC	T NTATCCTGAA	AAAGCAACAT	240